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13. (new) A monoclonal antibody capable of inducing apoptosis of nucleated blood cells with Integrin Associated Protein (IAP) through binding to IAP.

14. (new) The monoclonal antibody according to claim 13, wherein the IAP is of human origin.

15. (new) A fragment of a monoclonal antibody, which is capable of inducing apoptosis of nucleated blood cells with Integrin Associated Protein (IAP) through binding to IAP.

16. (new) The fragment according to claim 15, wherein the IAP is of human origin.

17. (new) A hybridoma that produces a monoclonal antibody as defined in claim 13.

18. (new) A hybridoma that produces a monoclonal antibody as defined in claim 15.

19. (new) The hybridoma according to claim 17, which is MABL-1 or MABL-2.

20. (new) An antileukemic agent comprising a substance that binds to IAP and stimulates the action of IAP to induce apoptosis of nucleated blood cells.

21. (new) The antileukemic agent according to claim 20, wherein the IAP is of human origin.

22. (new) The antileukemic agent according to claim 20, wherein the substance is a monoclonal antibody.

23. (new) The antileukemic agent according to claim 20, wherein the substance is a fragment of a monoclonal antibody.